Python Fun(damentals)

Python Text Sequences

Alexander Rymdeko-Harvey

Obscurity Labs

```
* Text Sequence (Strings)
```

Python Text Sequence Operator Cont.

String `+` Operator

```
>>> a = 'alex' + 'rymdekeo-harvey'
>>> b = 'alex' + ' rymdeko-harvey'
>>> print(a)
alexrymdekeo-harvey
>>> print(b)
alex rymdeko-harvey
```

String `in` Operator

```
>>> 'alex' in 'alex rymdeko-harvey'
True
```

Python Text Sequence Operator Cont.

String Indexing

```
>>> a = 'ALEX'
>>> print(a[1])
L
```

What does this look like in C/C++?

```
// valid initialization
char name[10] = {'A','L','E', 'X','\0'};
```

What does this look like in the Python Object?

A	L	E	X

Python Text Sequence Methods

- Strings implement all of the common sequence operations
- With the additional methods
- Python provides TONS of string methods we will only cover a few but labs may require research
- The most common style is Format String Syntax

Python Text Sequence Methods Cont.

Here is a example of `str.capitalize()`:

```
# Return a copy of the string with its first
# character capitalized and the rest lowercased.
>>> a = 'alex'
>>> a.capitalize()
'Alex'
```

Here is a example of `str.capitalize()`:

```
# Return a copy of the string with its first
# character capitalized and eading characters removed.
>>> a = '  alex  '
>>> a.lstrip().capitalize()
'Alex  '
```

https://docs.python.org/3/library/stdtypes.html#str.capitalize

https://docs.python.org/3/library/stdtypes.html#str.lstrip

Lab_2.py

TASKING

Perfrom the following on the variable `dataStr`:

1. Set `dataStr` value to 'opensource.com'
2. Set `dataStrFull` full value of `https://` and use the `dataStr` to create this variable
3. Set `dataStrSplit` to the value of `dataStrFull` split on the the character `.`, into a list using a string method (*HINT: Python Docs*)
4. Try to print `dataStrSplit` with the format string methods like `print('{} {}'.format('one', 'two'))`